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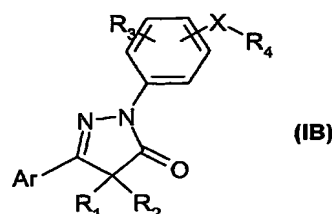
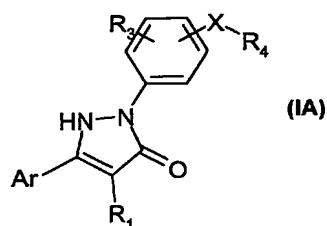
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(54) Title: IMMUNO INHIBITORY PYRAZOLONE COMPOUNDS



(57) Abstract: Compounds of formula (IA) or (IB) are inhibitors of CD80 and useful in immunomodulation therapy: wherein Ar represents an optionally substituted monocyclic or bicyclic aromatic or heteroaromatic group having from 5 to 10 ring atoms; R<sub>1</sub> and R<sub>2</sub> independently represent H, or C<sub>1</sub>-C<sub>6</sub> alkyl; R<sub>3</sub> represents H; F; Cl; Br; -NO<sub>2</sub>; -CN; C<sub>1</sub>-C<sub>6</sub> alkyl optionally substituted by F or Cl; or C<sub>1</sub>-C<sub>6</sub> alkoxy optionally substituted by F; R<sub>4</sub> represents a carboxylic acid group (-COOH) or an ester thereof, or -C(=O)NR<sub>6</sub>R<sub>7</sub>, -NR<sub>7</sub>C(=O)R<sub>6</sub>, -NR<sub>7</sub>C(=O)OR<sub>6</sub>, -NHC(=O)NR<sub>7</sub>R<sub>6</sub> or -NHC(=S)NR<sub>7</sub>R<sub>6</sub> wherein R<sub>6</sub> represents H, or a radical of formula -(Alk)<sub>m</sub>-Q wherein m is 0 or 1, Alk is an optionally substituted divalent straight or branched C<sub>1</sub>-C<sub>12</sub> alkylene, or C<sub>2</sub>-C<sub>12</sub> alkenylene, or C<sub>2</sub>-C<sub>12</sub> alkynylene radical or a divalent C<sub>3</sub>-C<sub>12</sub> carbocyclic radical, any of which radicals may be interrupted by one or more -O-, -S- or -N(R<sub>8</sub>)- radicals wherein R<sub>8</sub> represents H or C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>3</sub>-C<sub>4</sub> alkenyl, C<sub>3</sub>-C<sub>4</sub> alkynyl, or C<sub>3</sub>-C<sub>6</sub> cycloalkyl, and Q represents H; -CF<sub>3</sub>; -OH; -SH; -NR<sub>8</sub>R<sub>8</sub> wherein each R<sub>8</sub> may be the same or different, or form a ring when taken together with the nitrogen to which they are attached; an ester group; or an optionally substituted aryl, aryloxy, cycloalkyl, cycloalkenyl or heterocyclic group; and R<sub>7</sub> represents H or C<sub>1</sub>-C<sub>6</sub> alkyl; or when taken together with the atom or atoms to which they are attached R<sub>6</sub> and R<sub>7</sub> form a monocyclic heterocyclic ring having 5, 6 or 7 ring atoms; and X represents a bond or a divalent radical of formula -(Z)<sub>n</sub>-(Alk)- or -(Alk)-(Z)<sub>n</sub>- wherein Z represents -O-, -S- or -NH-, Alk is as defined in relation to R<sub>6</sub> and n is 0 or 1.